

**AEROSOL CREATED BY DIRECTED FLOW OF FLUIDS AND
DEVICES AND METHODS FOR PRODUCING SAME**

ABSTRACT OF THE DISCLOSURE

[00139] A method of creating small particles by a technology referred to here as "violent focusing" is disclosed, along with devices for generating such violent focusing. In general, the method comprises the steps of forcing a first fluid out of an exit opening of the feeding channel to create a fluid stream. The exit opening is positioned such that the fluid flowing out of the channel flows toward and out of an exit orifice of a pressure chamber which surrounds the exit opening of the feeding channel, and is filled with an atomizing fluid. An atomizing fluid such as a gas is directed towards the first fluid stream in approximately orthogonal directions and surrounding the circumference of the first fluid stream from all sides. The first fluid flow is broken into particles which have dimensions which are smaller than the dimensions of this fluid stream.